

### ABSTRACT

A composition is provided that includes an ubiquinone, such as CoQ<sub>10</sub>, bound by a glycoprotein matrix. A method is also provided for the manufacture of a composition of the invention. The glycoprotein matrix can be formed by permitting  
5 the growth of glycoprotein producing bacteria in the presence of the ubiquinone. The composition of the invention provides a method for increasing the stability and bioactivity of the ubiquinone. A method is also provided for administering an ubiquinone to a host by utilizing a composition of the invention.

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